

FIGURE 1

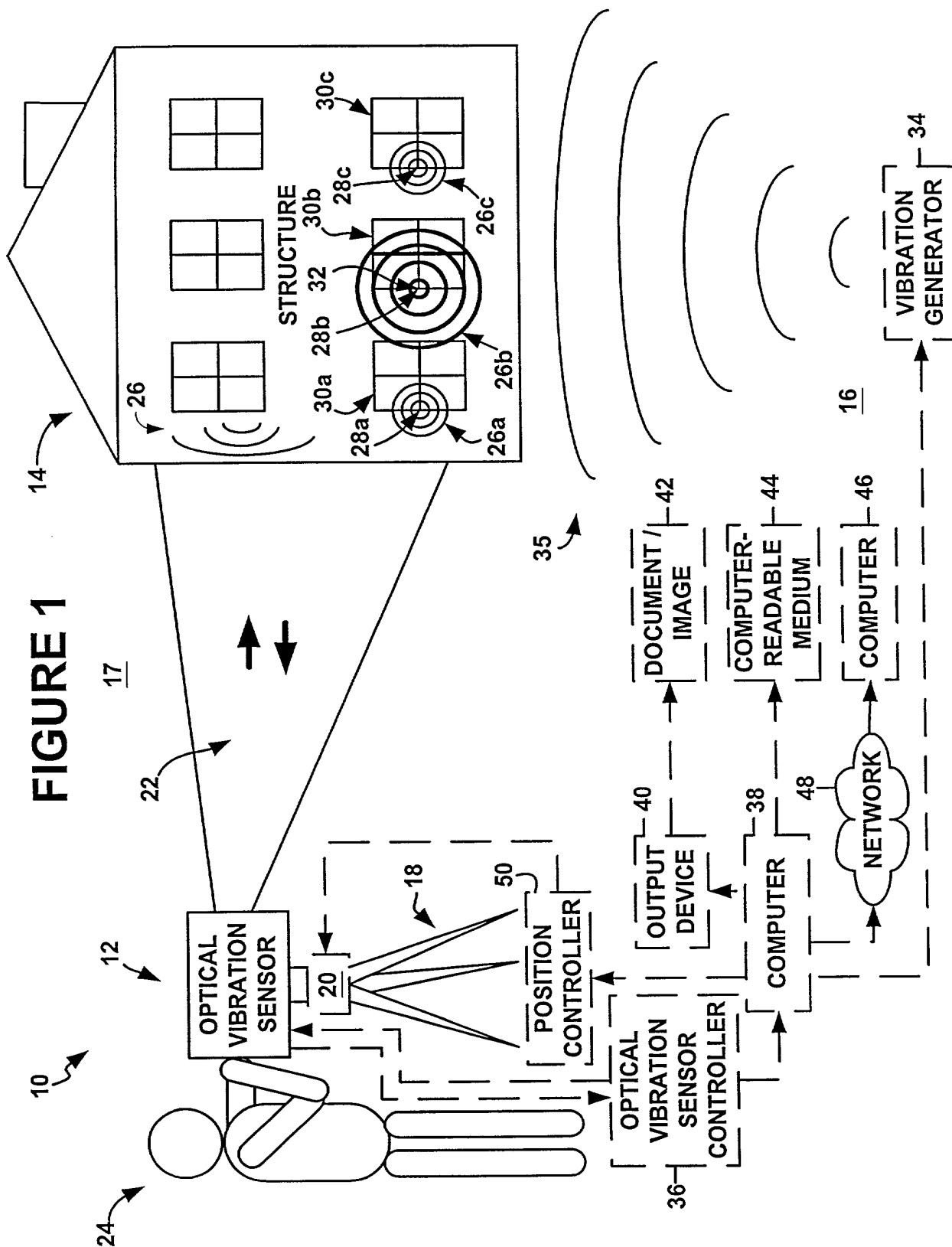


FIGURE 2A FREQUENCY OF LASER BEAM TRANSMITTED TO STRUCTURE
ELECTRIC FIELD

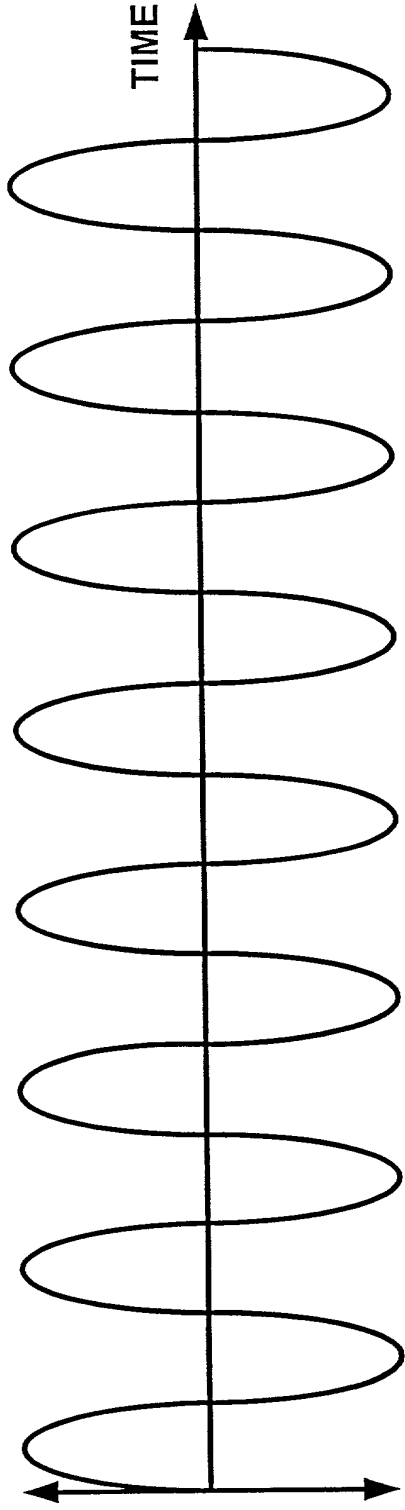


FIGURE 2B FREQUENCY OF LASER BEAM RECEIVED FROM STRUCTURE
PERIOD T OF VIBRATION

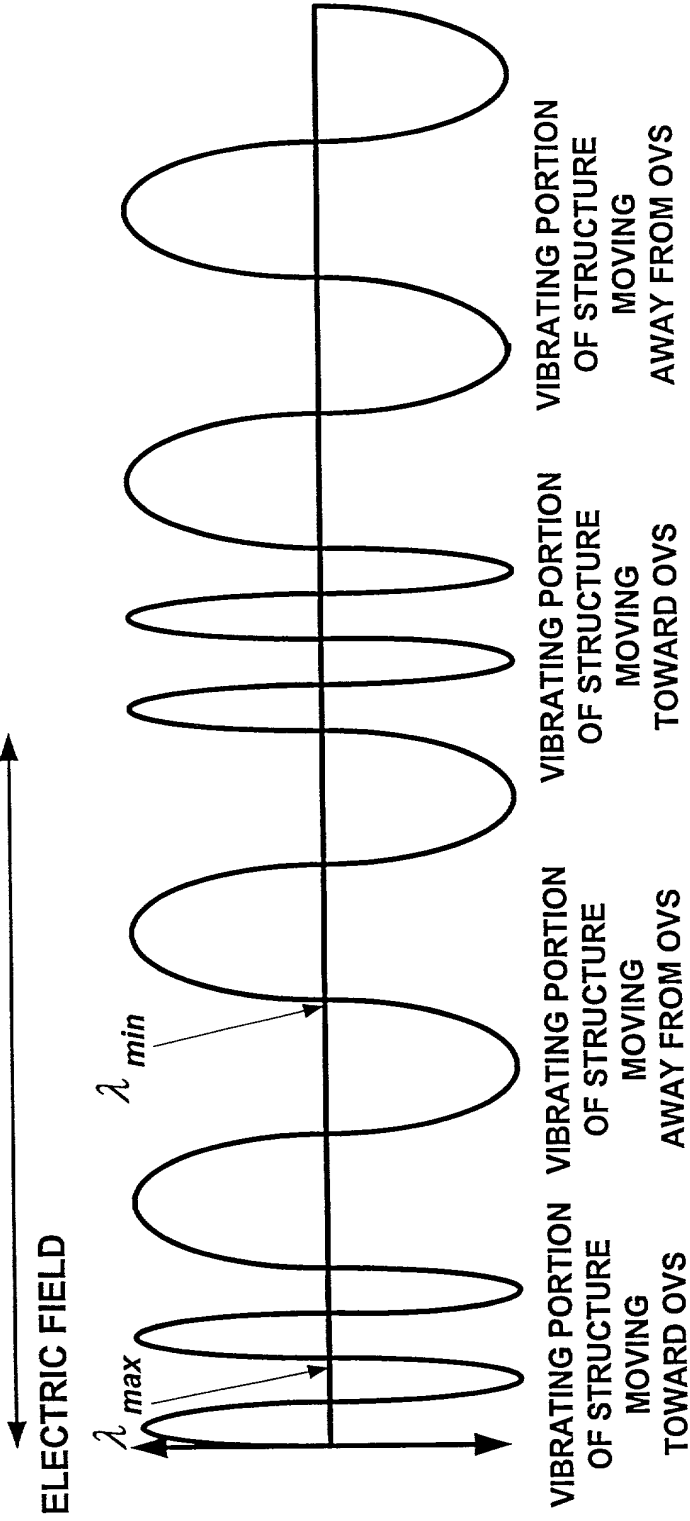


FIGURE 3

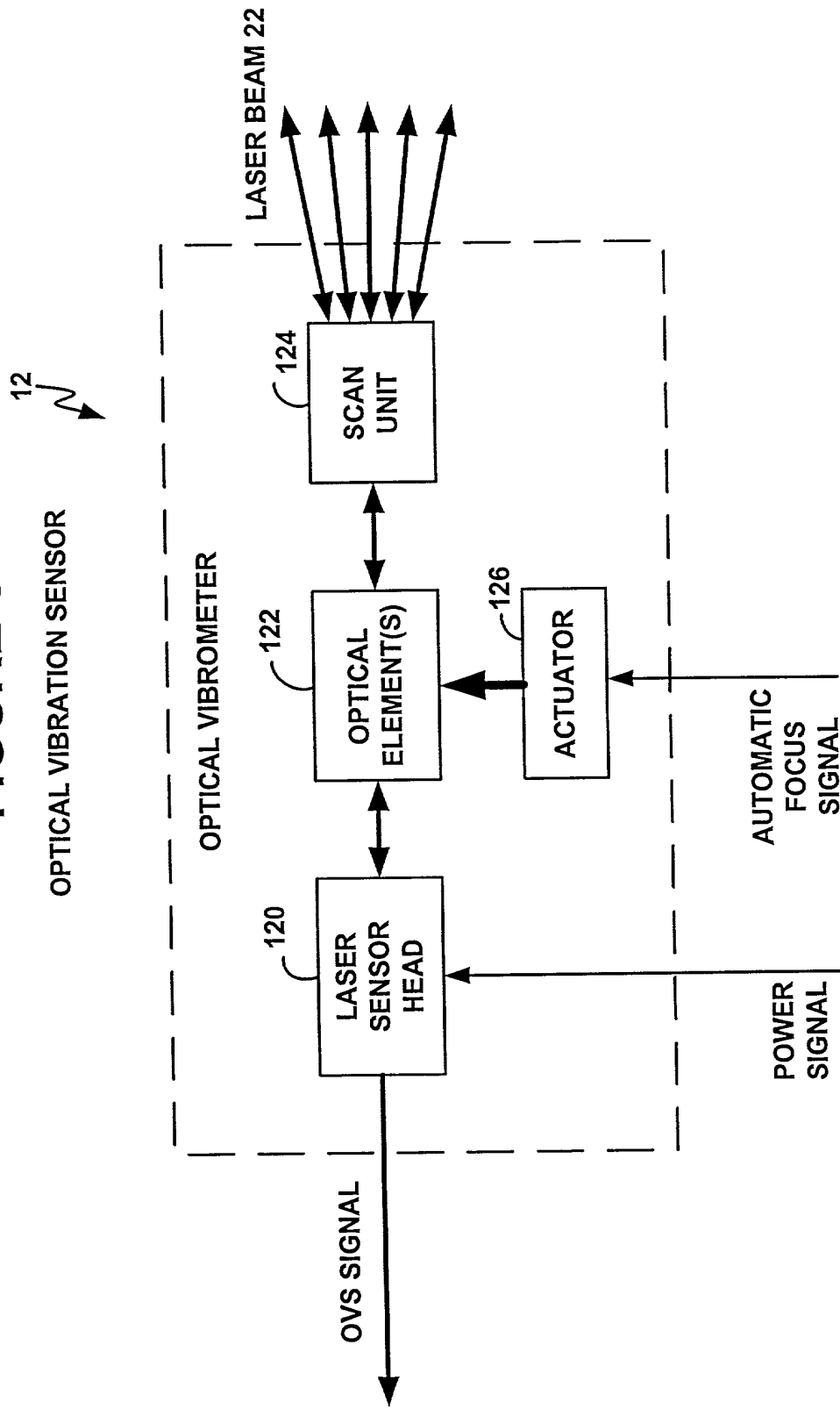


FIGURE 4

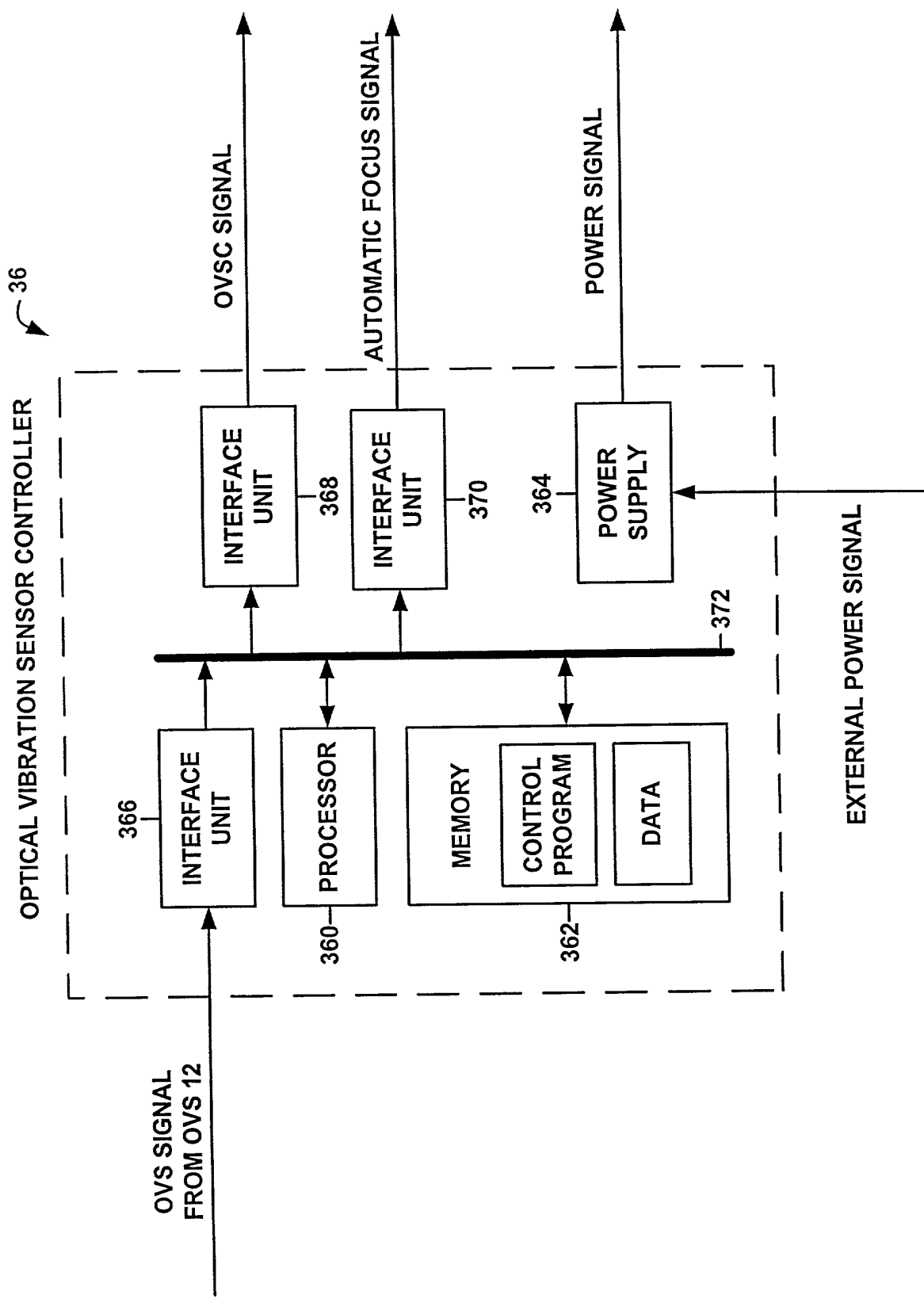


FIGURE 5

FROM OVS 12 AND/OR
OVSC 36

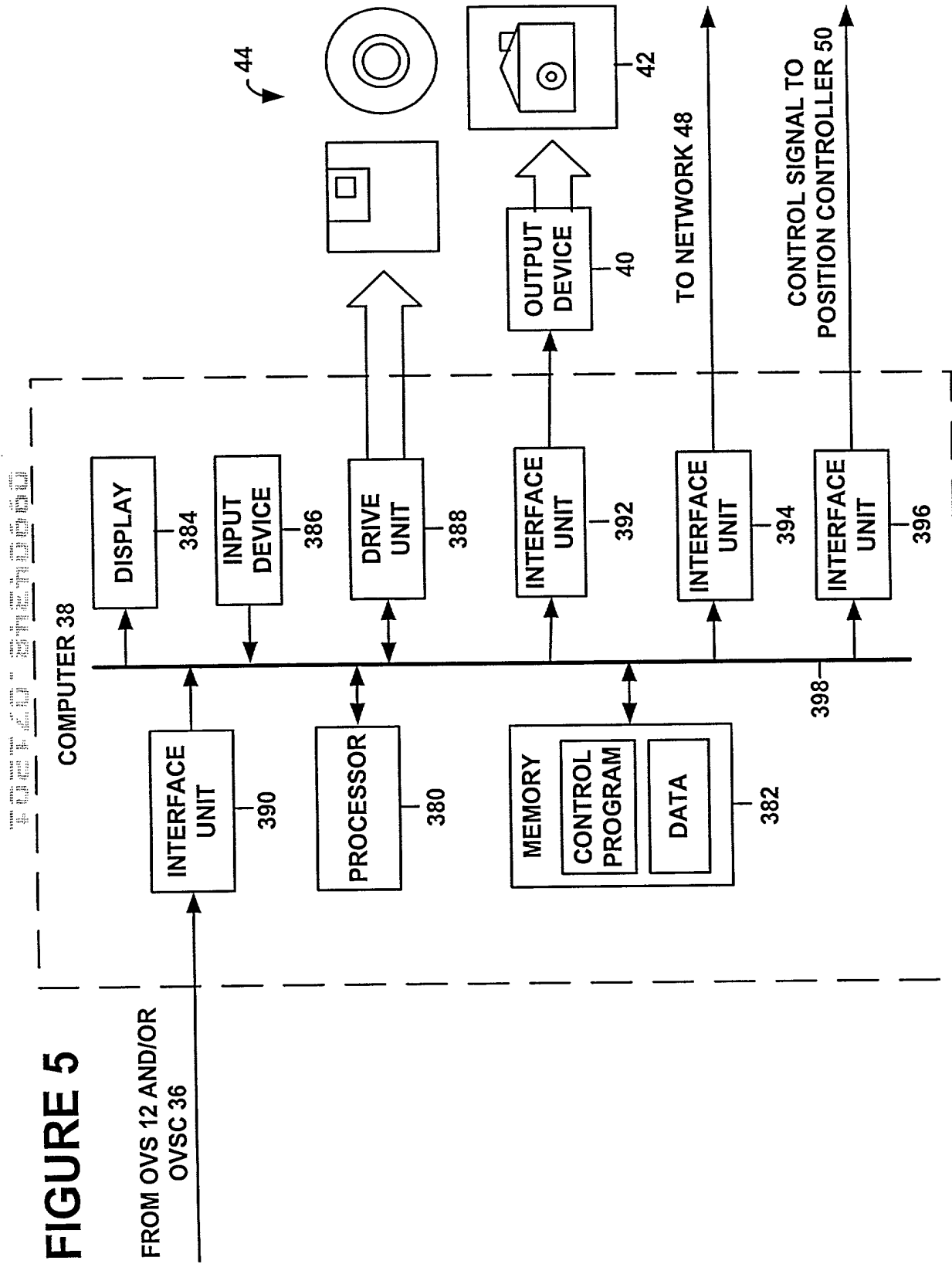
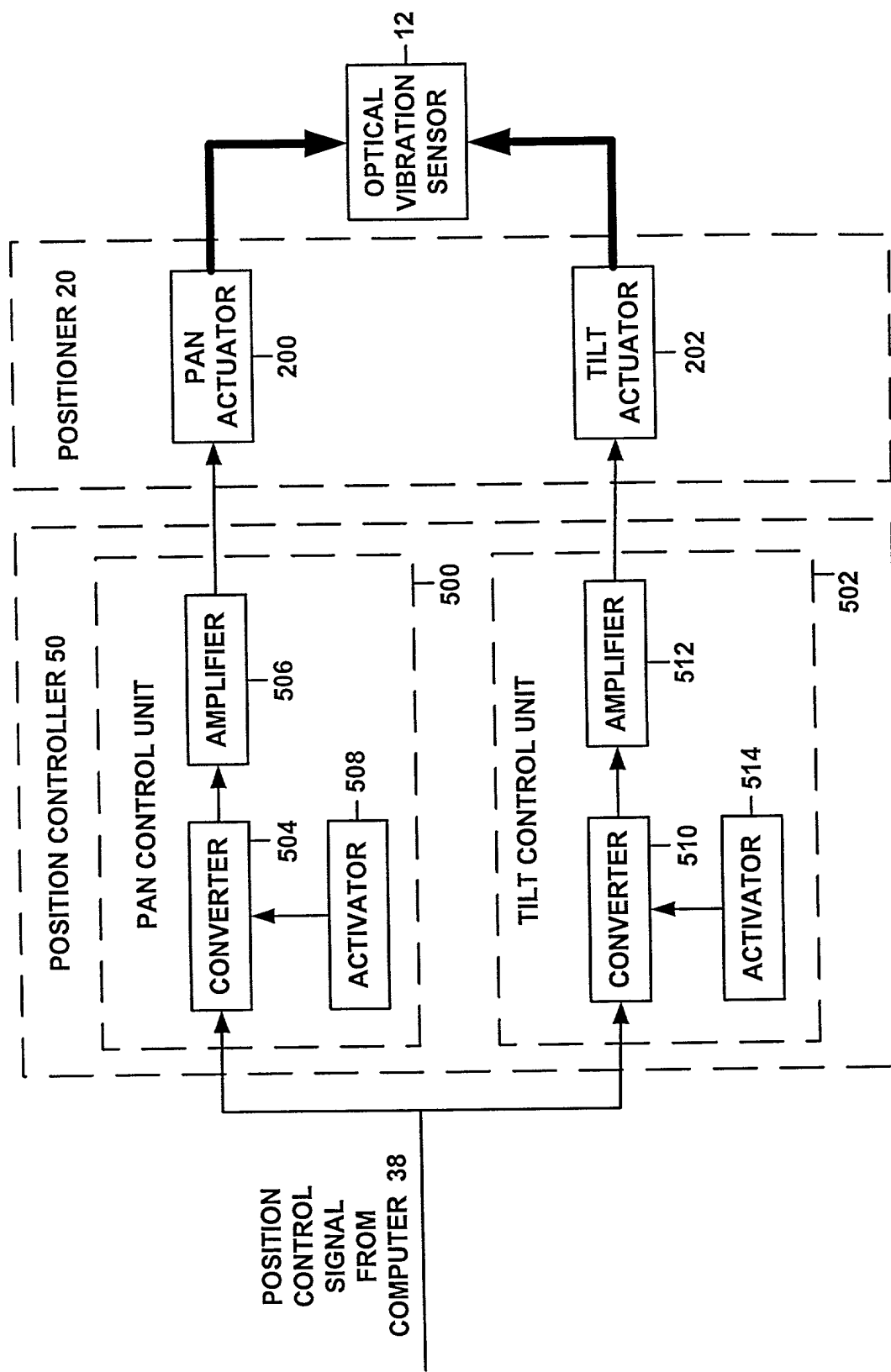


FIGURE 6



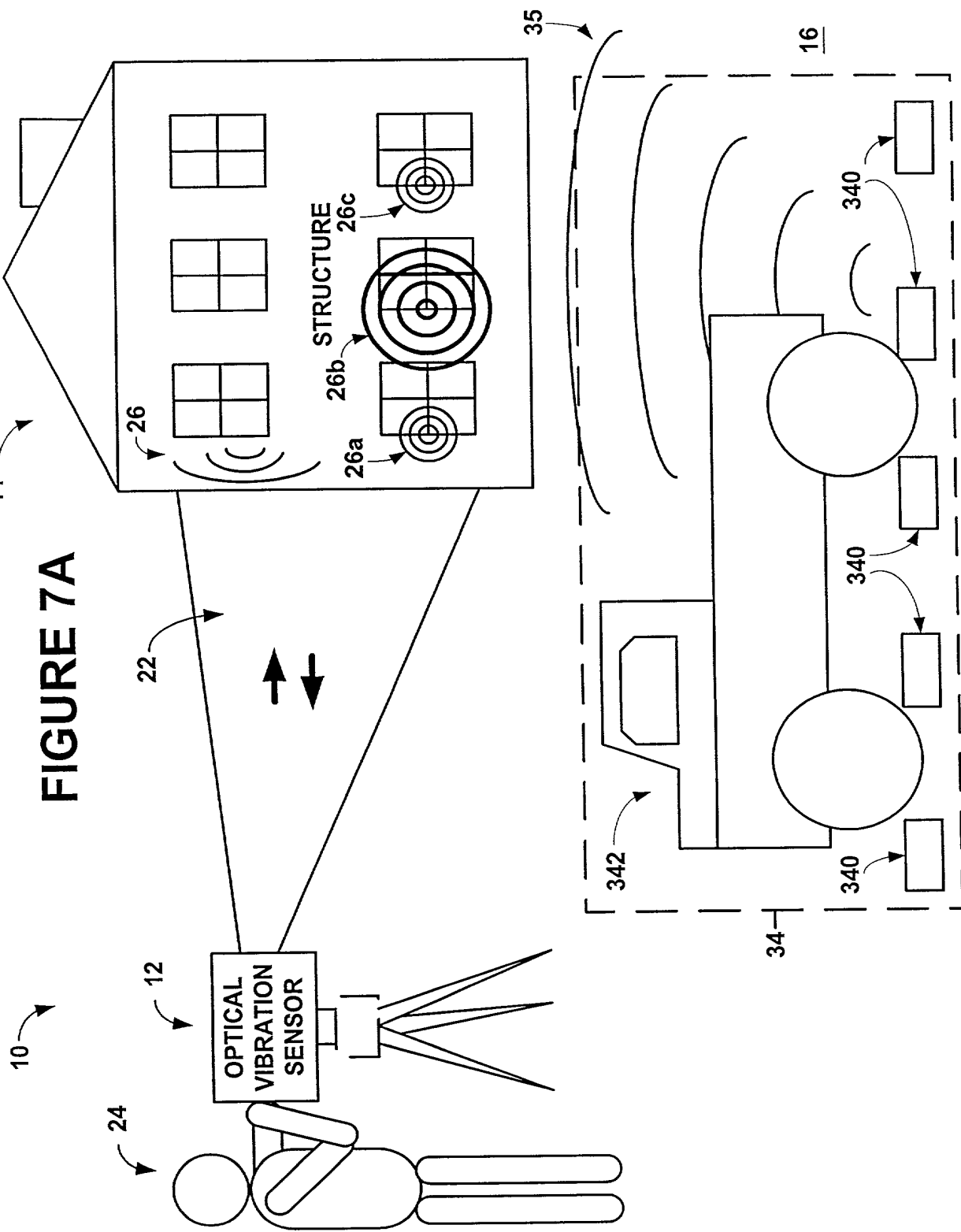


FIGURE 7B

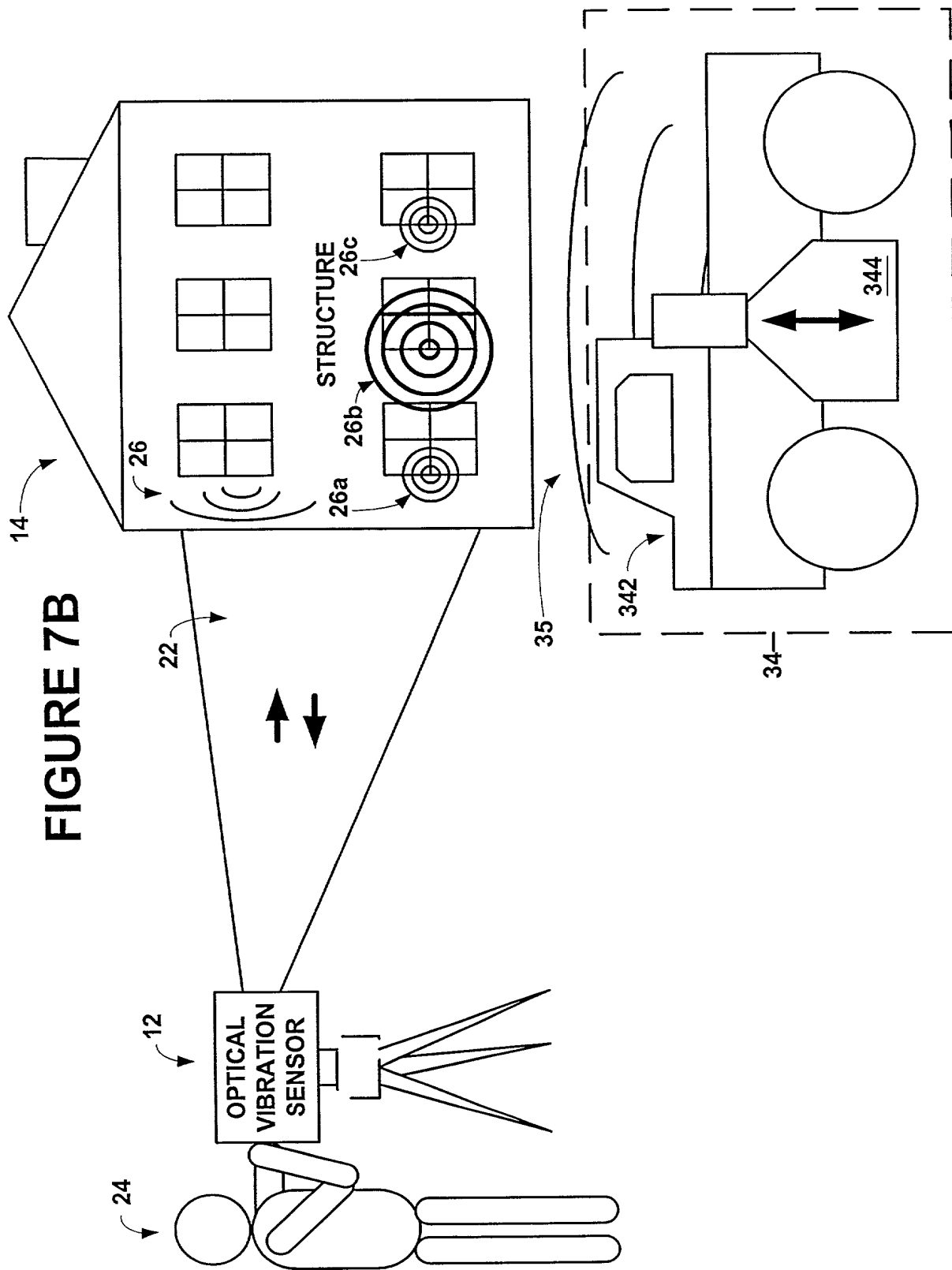
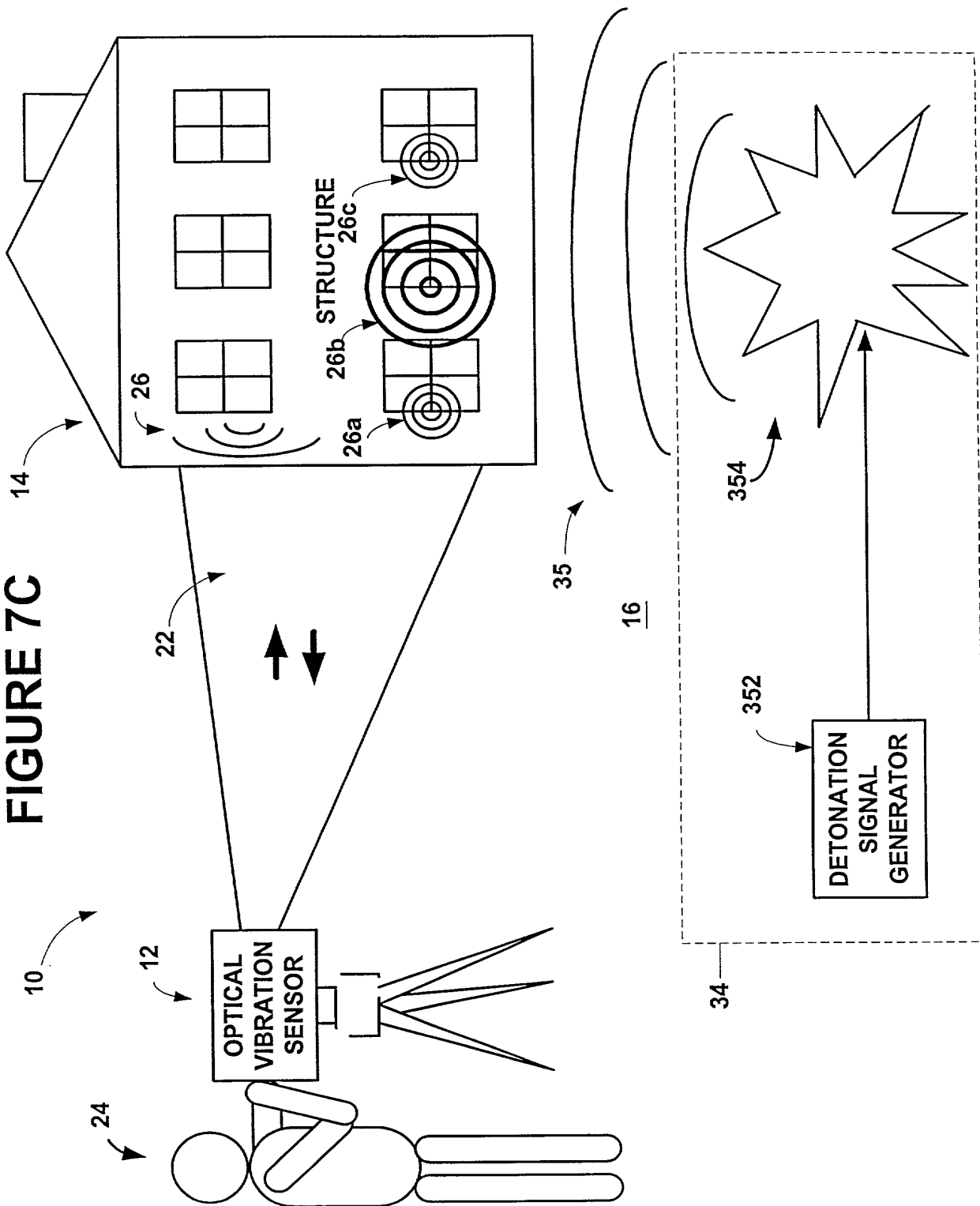


FIGURE 7C



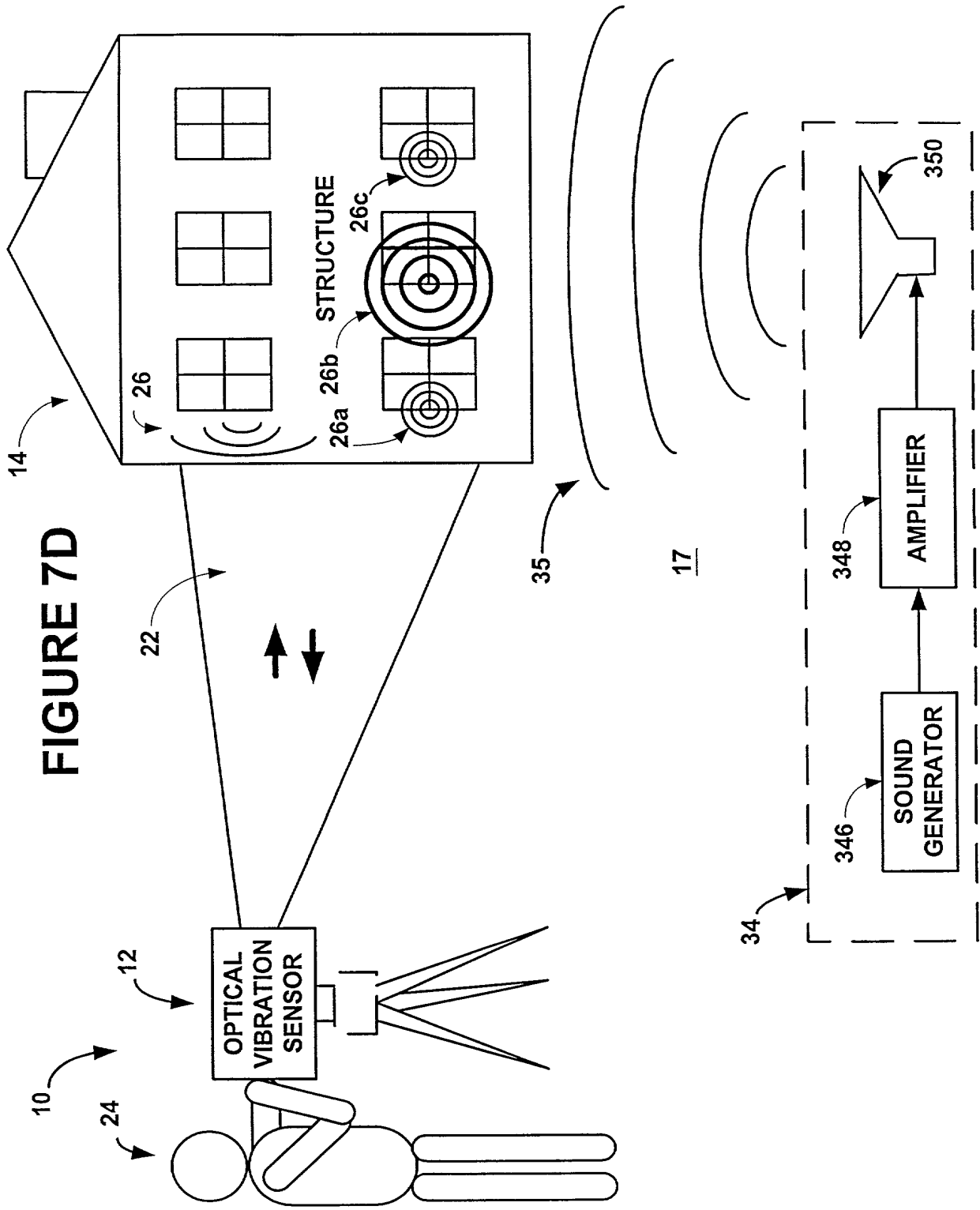


FIGURE 7E

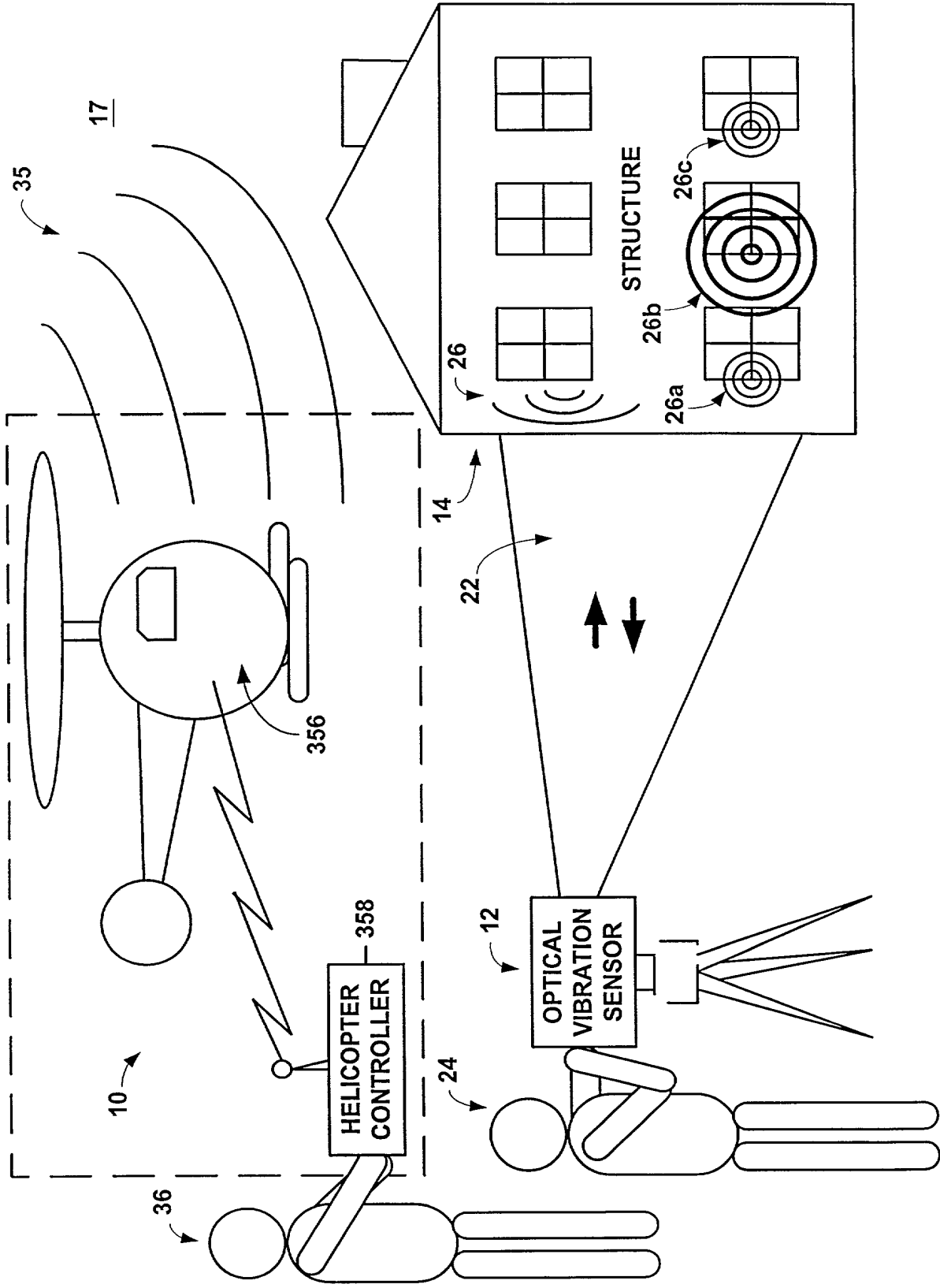


FIGURE 7F

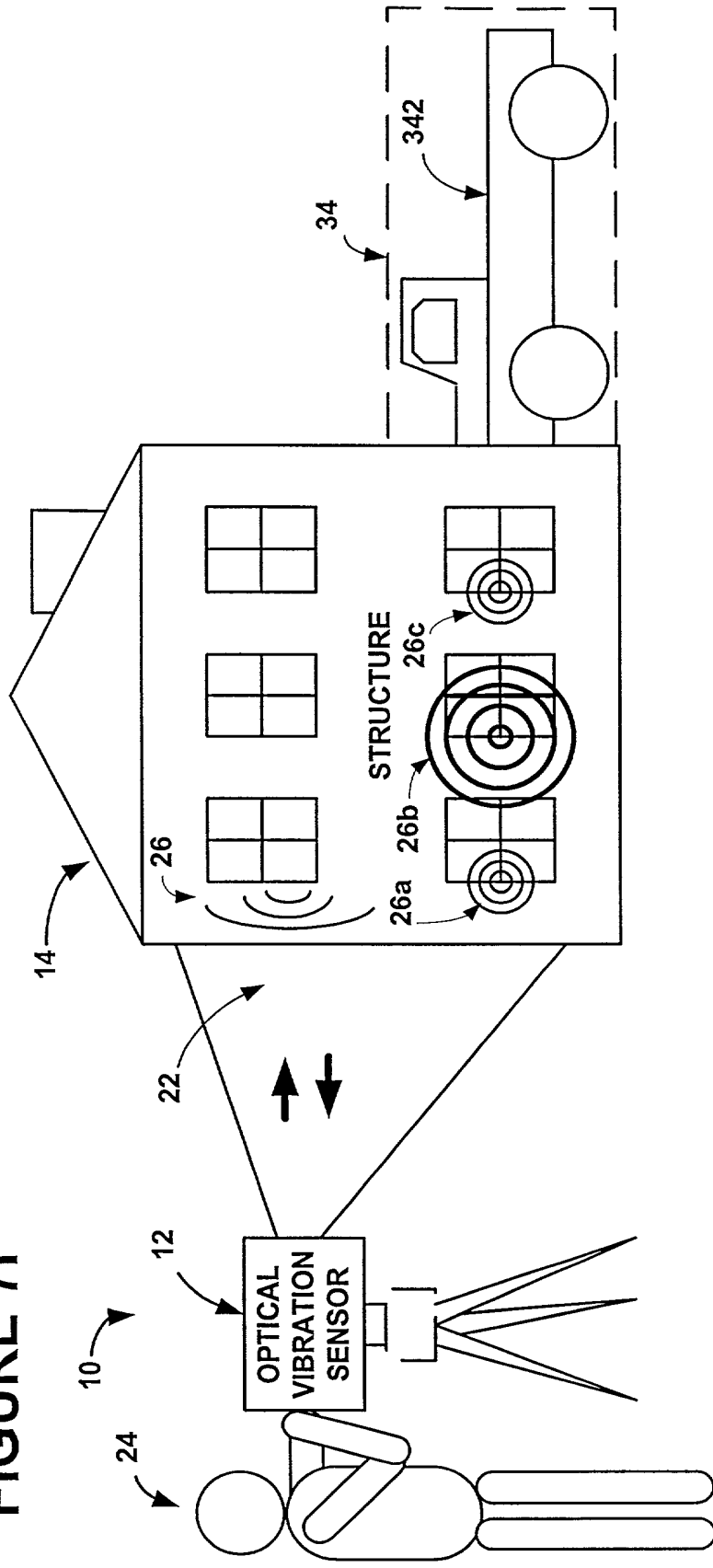


FIGURE 8A

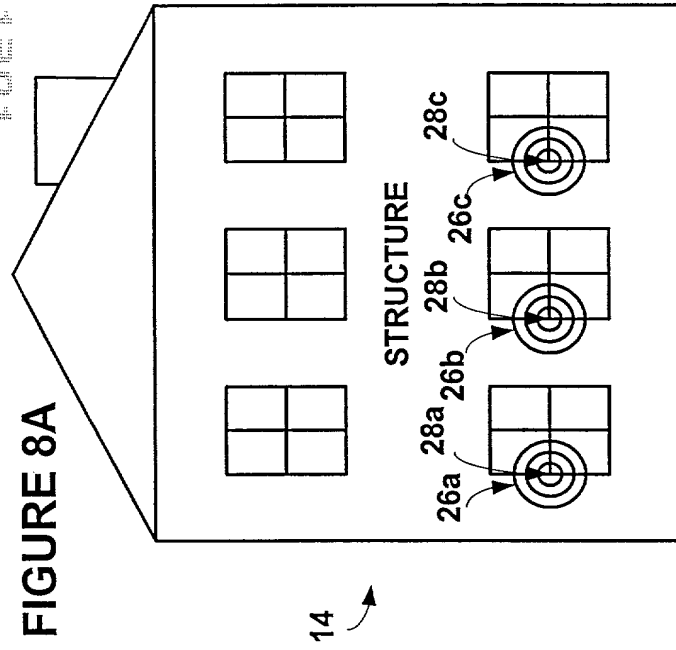


FIGURE 8B

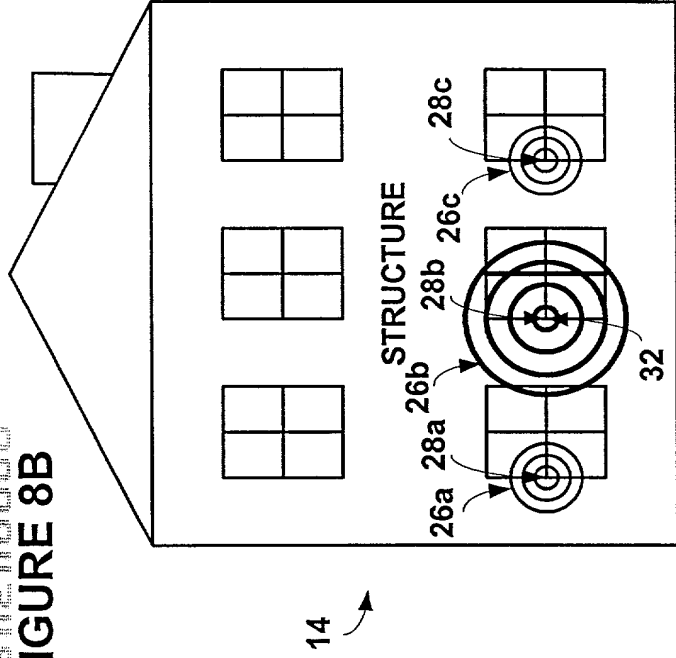


FIGURE 9A

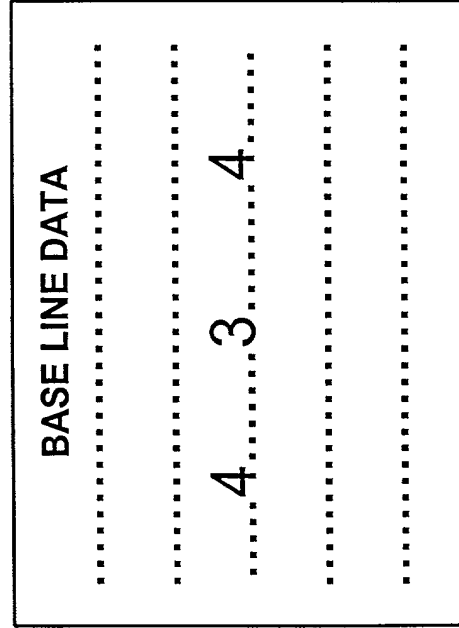


FIGURE 9B

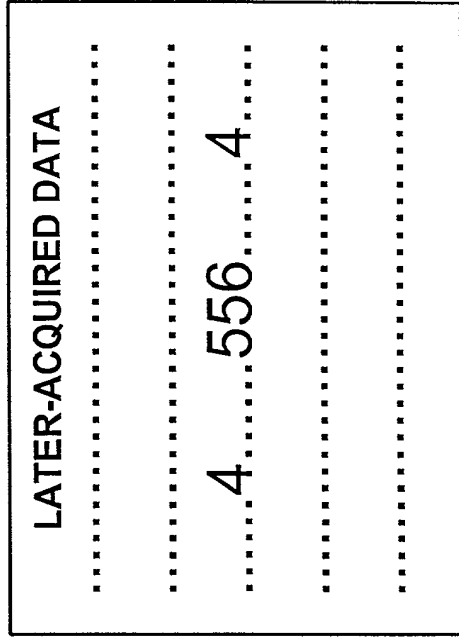


FIGURE 10

GENERAL
METHOD

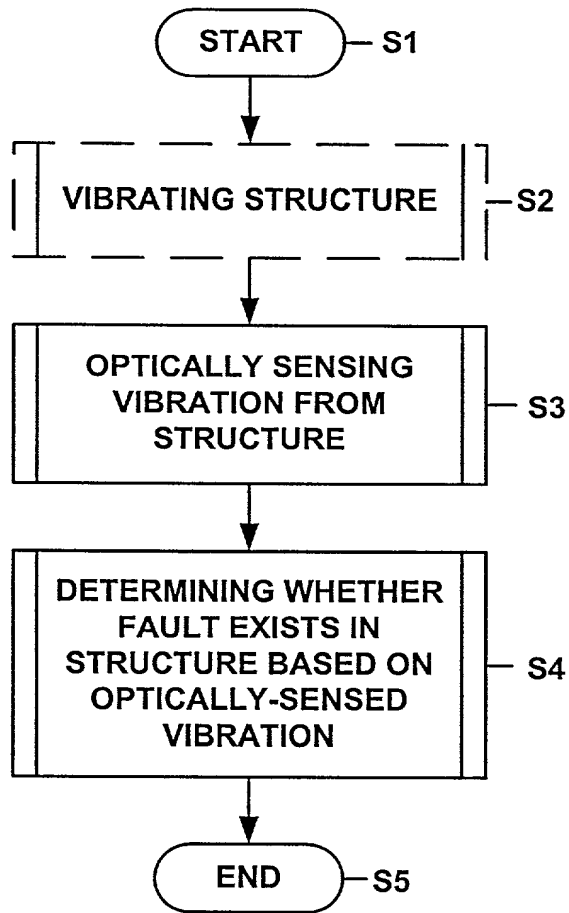


FIGURE 11A

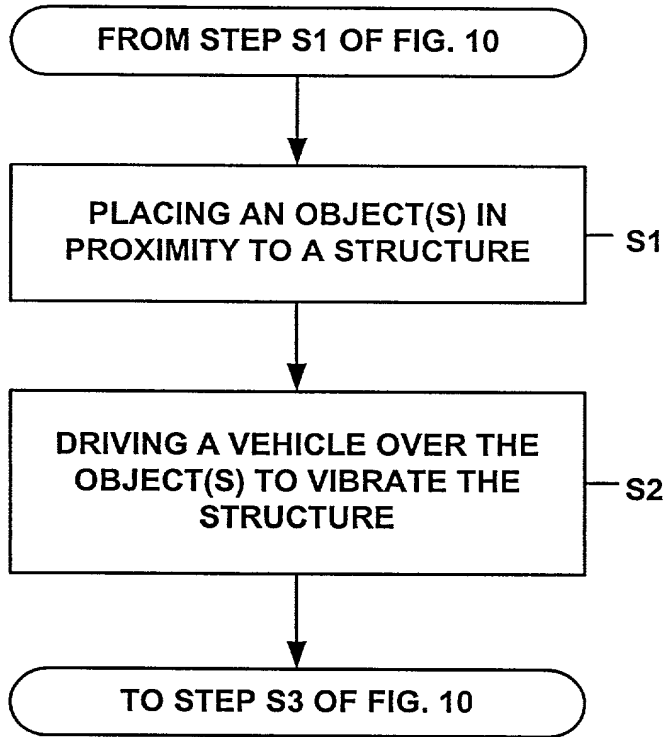


FIGURE 11B

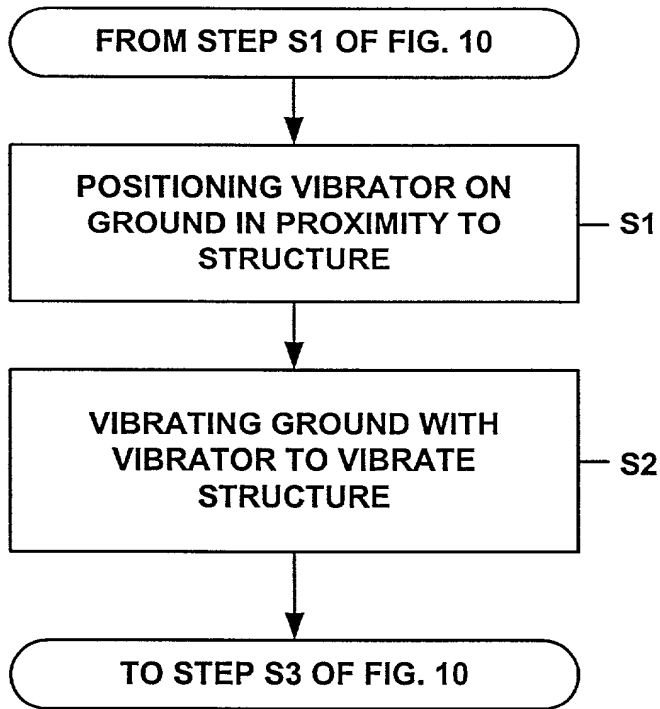


FIGURE 11C

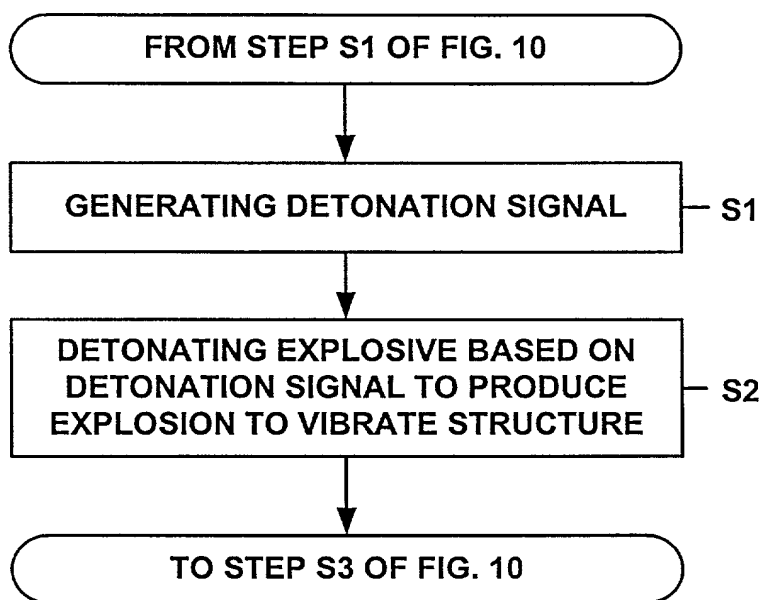


FIGURE 11D

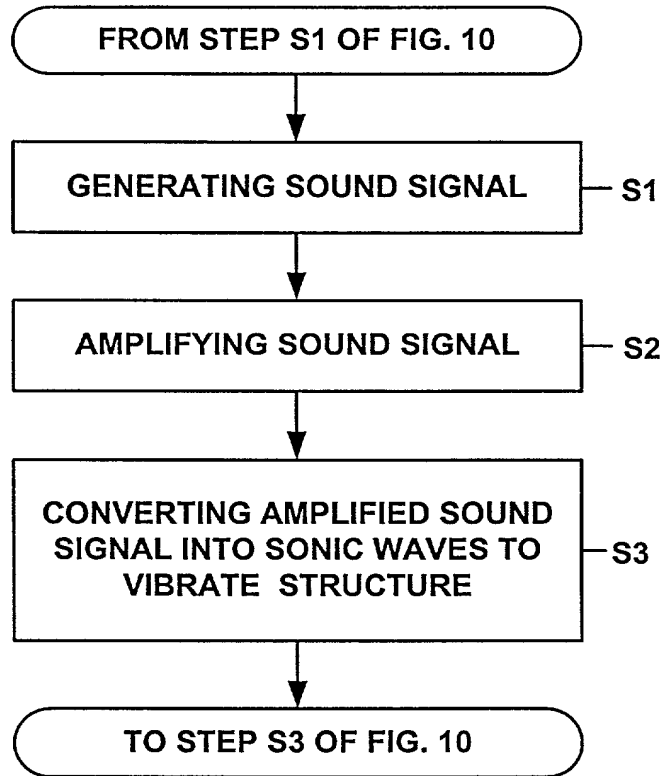


FIGURE 11E

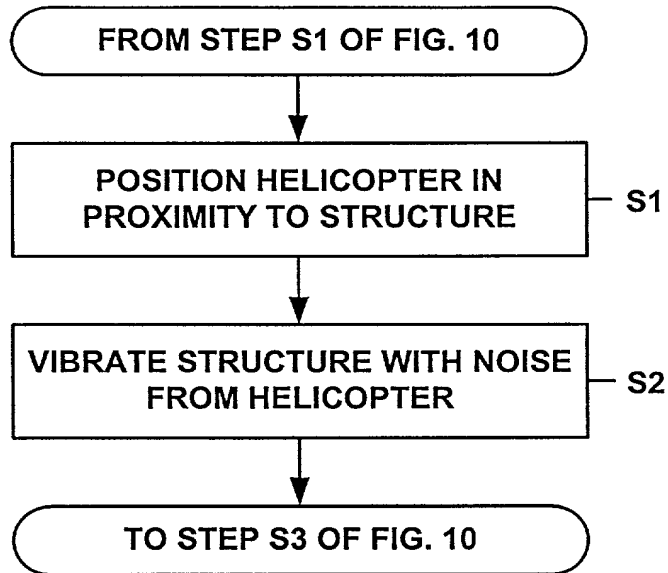


FIGURE 11F

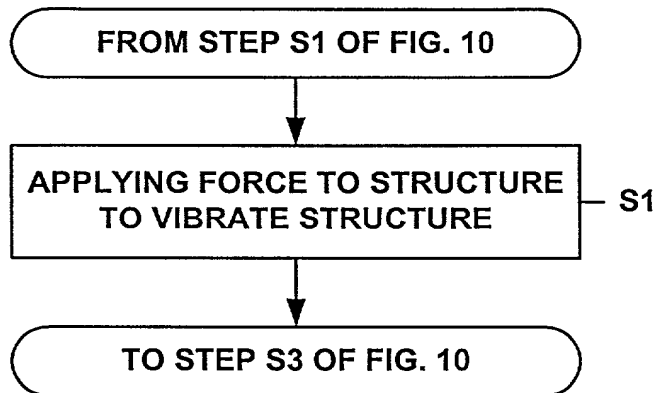


FIGURE 12

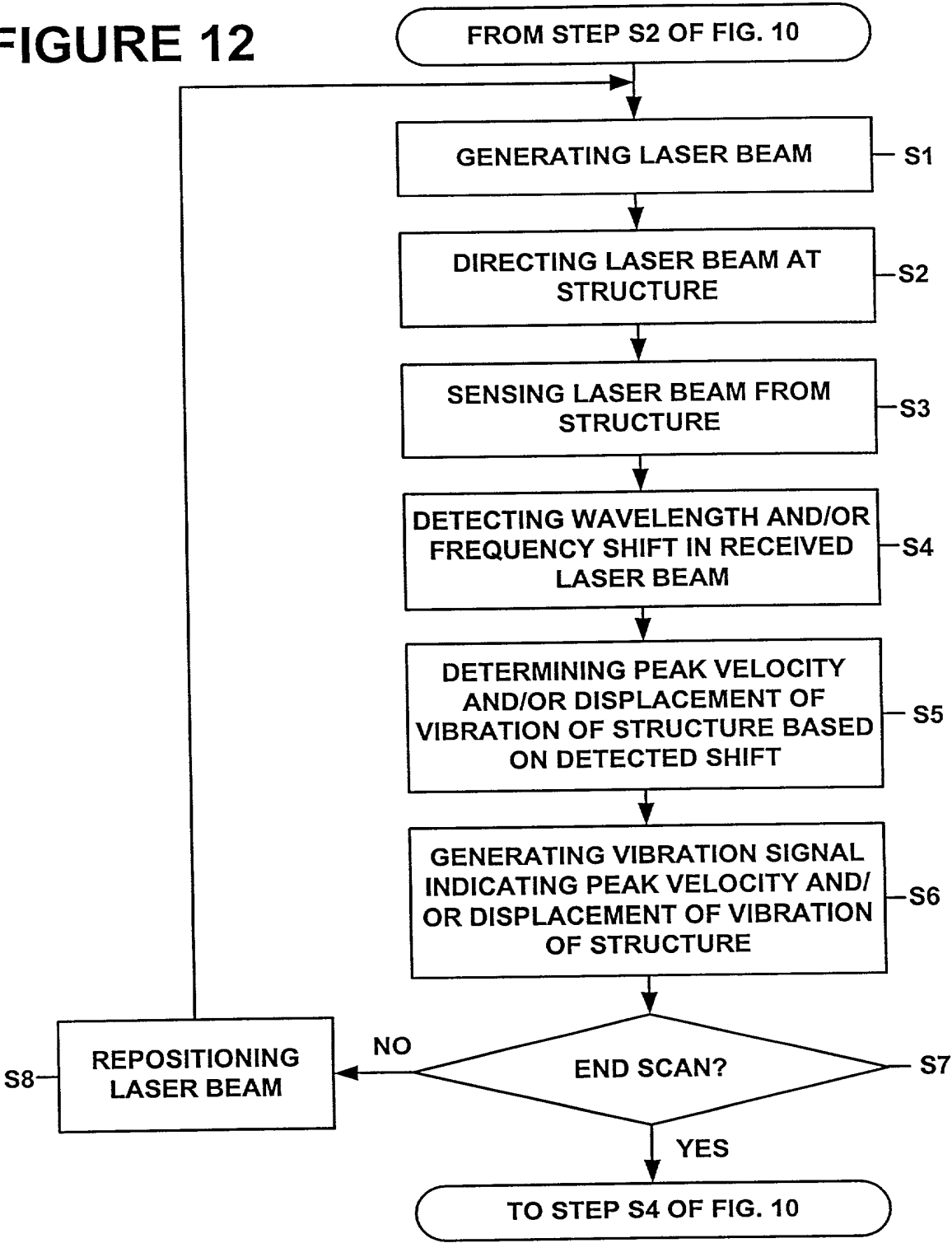


FIGURE 13A

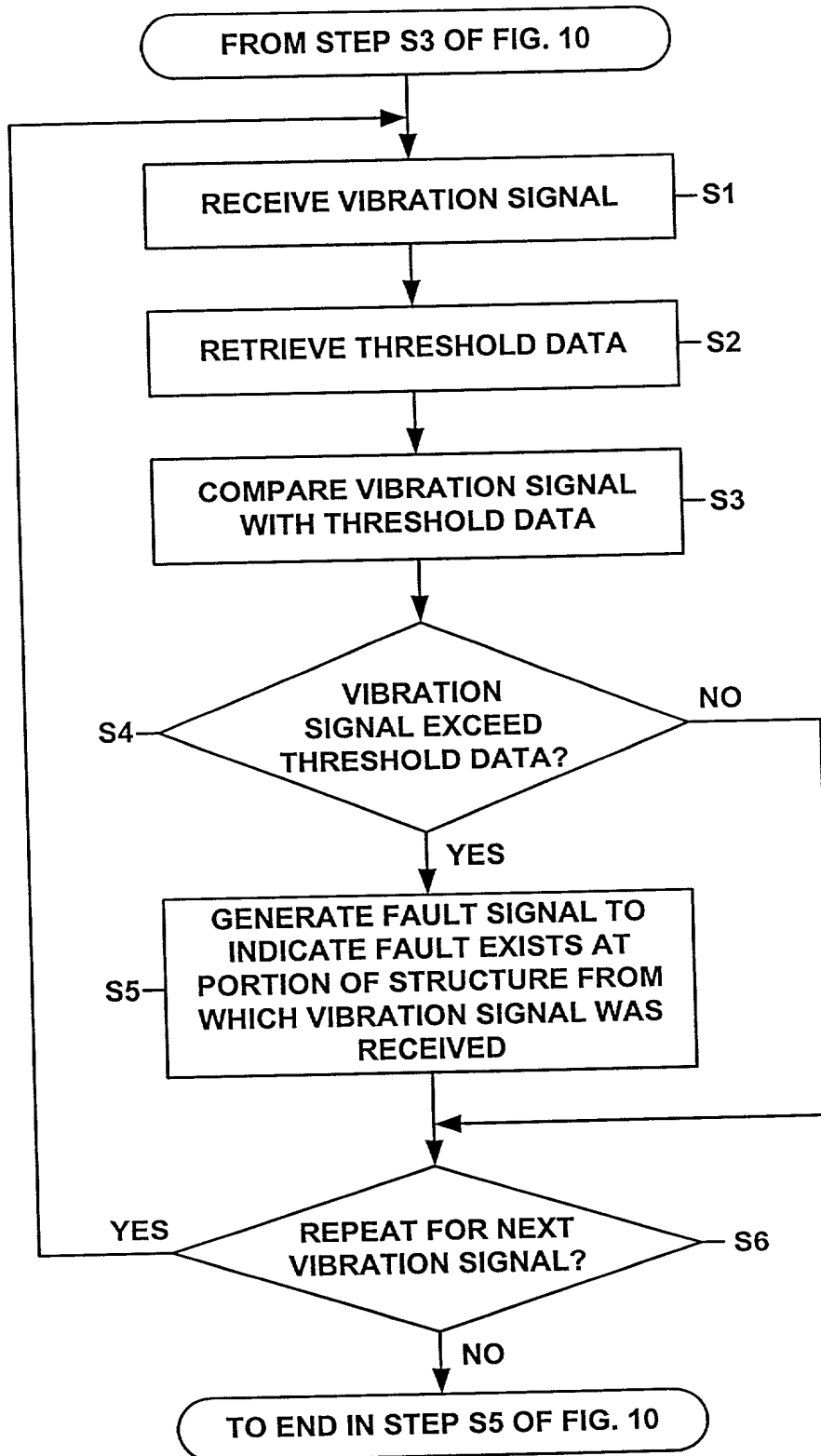


FIGURE 13B

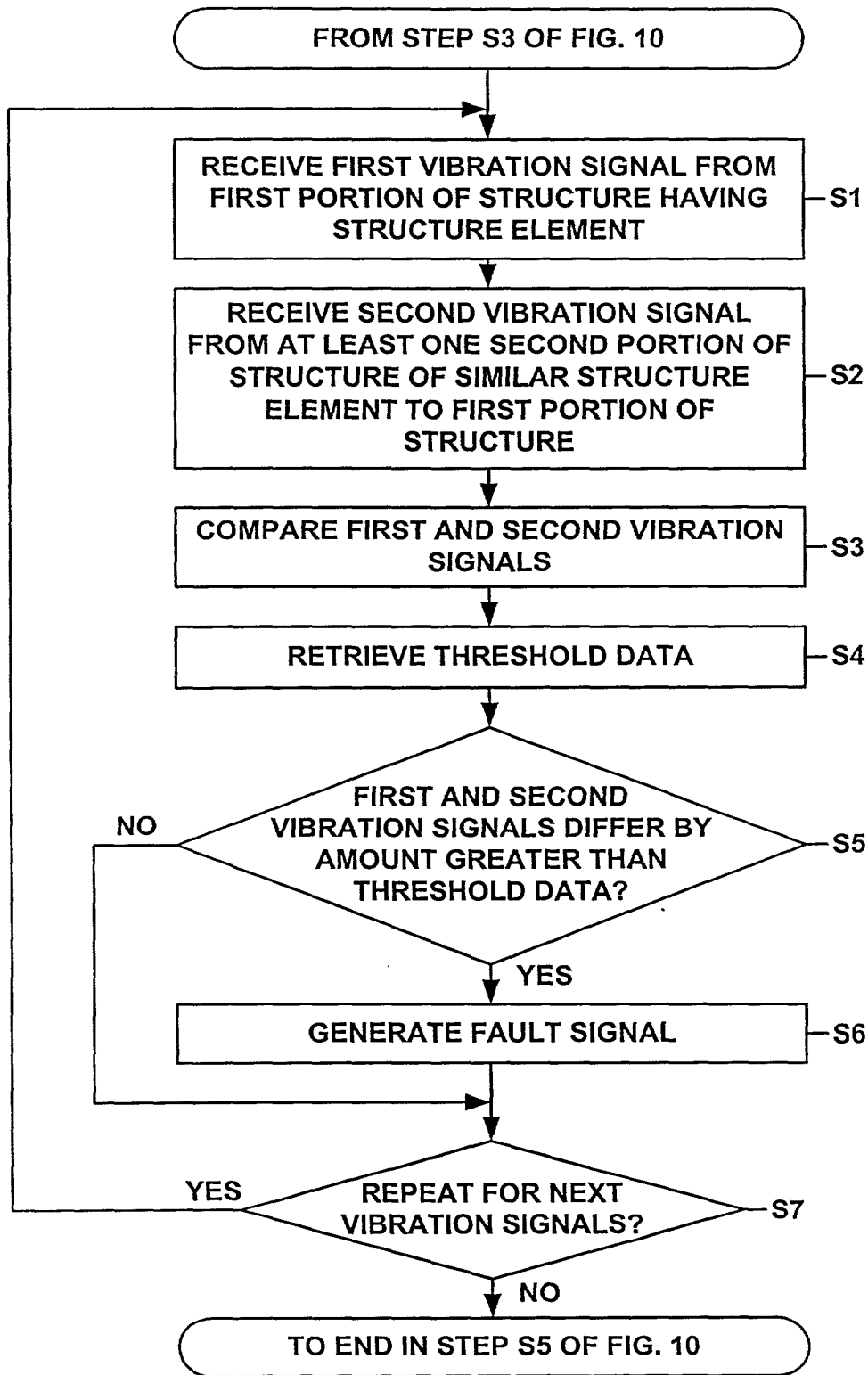


FIGURE 14

METHOD FOR
DETERMINING
WHETHER FAULT
EXISTS IN
STRUCTURE USING
BASE LINE DATA

